

Title (en)  
Liquid specimen collection device

Title (de)  
Vorrichtung für die Entnahme von flüssigen Proben

Title (fr)  
Dispositif pour le prélèvement d'échantillons liquides

Publication  
**EP 1435264 A2 20040707 (EN)**

Application  
**EP 04005260 A 19971222**

Priority  
• EP 97310424 A 19971222  
• JP 5656097 A 19970311

Abstract (en)  
A liquid specimen collection device includes a main body provided with a passage extending between opposite ends of the main body that defines a capillary tube liquid specimen flow path. One end of the passage opens at a tip end of the body member that is positionable adjacent a liquid specimen for introducing the liquid specimen into the passage while the opposite end of the passage opens at a body surface of the body which surrounds and extends outwardly from the opposite end of the passage. A test paper soaked in reagent is secured to the main body adjacent the opposite end of the passage. A liquid sample introduced into the passage at the tip end of the body member flows by capillary action along the passage to the opposite end of the passage where the specimen is then absorbed by the test paper. The test paper is secured to the body member at a plurality of spaced apart securement locations along a peripheral portion of the test paper with gaps being located between adjacent securement locations through which air is permitted to flow during liquid specimen flow along the liquid specimen flow path. The test paper includes a centrally located protuberance and an annular protuberance extending around the outer circumferential portion of the test paper. The end surface of the tip end of the body member can be provided with a groove extending between the outer peripheral surface of the tip end and the passage in the body member. <IMAGE>

IPC 1-7  
**B01L 3/00**; G01N 33/52; G01N 21/27; G01N 33/487; A61B 5/00

IPC 8 full level  
**G01N 31/22** (2006.01); **B01L 3/00** (2006.01); **G01N 33/52** (2006.01); **G01N 37/00** (2006.01)

CPC (source: EP US)  
**B01L 3/5023** (2013.01 - EP US); **B01L 2200/027** (2013.01 - EP US); **B01L 2300/0832** (2013.01 - EP US); **B01L 2400/0406** (2013.01 - EP US)

Cited by  
SE2050749A1; CN105842237A

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0864363 A2 19980916**; **EP 0864363 A3 19990714**; **EP 0864363 B1 20040506**; AT E265888 T1 20040515; AT E407736 T1 20080915; DE 69728962 D1 20040609; DE 69728962 T2 20050428; DE 69738989 D1 20081023; EP 1435264 A2 20040707; EP 1435264 A3 20041020; EP 1435264 B1 20080910; ES 2314307 T3 20090316; JP 3699799 B2 20050928; JP H10253627 A 19980925; US 6083460 A 20000704

DOCDB simple family (application)  
**EP 97310424 A 19971222**; AT 04005260 T 19971222; AT 97310424 T 19971222; DE 69728962 T 19971222; DE 69738989 T 19971222; EP 04005260 A 19971222; ES 04005260 T 19971222; JP 5656097 A 19970311; US 166097 A 19971231